Core & Coil (71A) HPS ~LT~ 200W

CORE & COIL HID HPS BAL 100W S54 120/277/347V KIT

The basic ballast is the open core and coil which is most often used as a component within a lighting luminaire. The core and coil also forms the nucleus of Philips Advance's five other ballast configurations.

Product data

General Information

ANSI Code	S54
Lamp Type	100W HPS
Number of Lamps	1 piece/unit
Circuit Type	HX–HPF
Ballast Type	Magnetic HID
Base Model	71A80A1
Core Size	3 X 4 (2 coil)
Suitable For Outdoor Use	Yes
Ignitor Catalog Number	LI551–H4
Ignitor Temperature Rating	105℃
Capacitor Value	10 MFD
Capacitor Catalog Number	7C100M30RA
Capacitor Requirements	280V
Capacitor Temperature Rating	105℃
Capacitor Diameter/Oval Dimensions	1.65 in
Capacitor Height	2.75 in
Automatic Restart	No

Operating and Electrical

Input Voltage	120/277/347 V
Input Frequency	60 Hz
Input Current (Open Circuit)	2.2/0.85/0.7 A
Input Current (Starting)	1.3/0.6/0.45 A
Input Current (Short Circuit)	0.7–1.3/0.3–0.55/0.25–0.4 A
Secondary Short Circuit Current	2.6–3.2 A
Constant Wattage Deviation	Within Trapezoid
Ballast Factor (Nom)	1
Power Factor (Nom)	0.90
Open Circuit Voltage	120 V
Input Current (Nom)	1.15/0.5/0.39 A A
Input Power (Nom)	130 W
Rated Lamp Power	100 W

Wiring

Wire Striplength	0.5 mm
Wire Length by Color	12"
Wire Type	Stranded
Remote Wiring Configuration Allowed	Yes

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Max Ballast–Lamp Distance Remote Wiring	2'
Recommended Fuse Value	7/3/3 A

Approval and Application

Open Circuit Voltage Test (Volts)	110–130 V
Approval Marks	ULR CSA certificate RoHS Compliant
Temperature Marking	C/C/D
UL Recognized	Yes
Hipot Test (1 Minute)	2000 V
Hipot Test (2 Seconds)	2500 V
UL Insulation Class	H(180°C)
UL Temperature Code	1029D

Product Data

Order product name	CORE & COIL HID HPS BAL 100W S54 120/277/347V KIT
EAN/UPC – Product	781087026021
Order code	191956
Local order code	191956
Numerator – Quantity Per Pack	1
Numerator – Packs per outer box	1
Material Nr. (12NC)	913700526109
Net Weight (Piece)	3.425 kg

Dimensional drawing
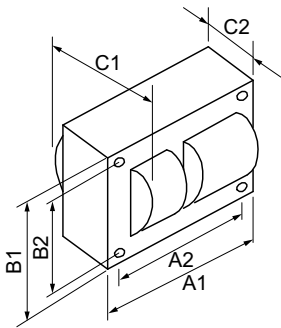
HPS BAL 100W S54 120/277/347V KIT

Product	C1	C2	A1	A2	B1	B2
CORE & COIL HID HPS BAL 100W S54 120/277/347V KIT	3.6 in	2.25 in	3.9 in	3.5 in	2.8 in	2.4 in

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2019, March 22 – data subject to change